GRADUATE PROGRAM

THE STATE TEACHERS COLLEGE
WEST CHESTER
PENNSYLVANIA

1959-1960 BULLETIN

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COLLEGE ADMINISTRATIVE OFFICERS

H. LaRue Frain ---------- Acting President
Earl F. Sykes ---------- Acting Dean of Instruction
Earl F. Sykes ---------- Director of Graduate Studies
Thomas E. Berry ---------- Assistant Director of Graduate Studies
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THE GRADUATE PROGRAM AT WEST CHESTER

On January 8, 1959, the State Council of Education of the Commonwealth of Pennsylvania formally authorized the State Teachers College, West Chester, to inaugurate a program of graduate studies after September 1, 1959. The Graduate Program at West Chester, therefore, will be initiated with the opening of the fall semester, 1959.

The degree to be awarded upon successful completion of all requirements will be Master of Education. Because requirements, of necessity, must vary from one department to another, the student should check carefully the requirements listed under the department in which he is interested.

The State Teachers College, West Chester, is fully accredited by the Middle States Association of Colleges and Secondary Schools; the National Council for Accreditation of Teacher Education; the National Association of Schools of Music; and the American Association for Health, Physical Education and Recreation.

Any requests for information concerning admission to the Graduate Program should be directed to the Assistant Director of Graduate Studies. Additional bulletins and application forms will be sent upon request.

STATE TEACHERS COLLEGE BULLETIN

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This bulletin is designed to acquaint prospective graduate students with all information pertinent to the program. Information has been arranged in the order in which questions are normally asked. By checking the table of contents below, the reader should be able to find answers to all major questions.

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ADMINISTRATION

The Graduate Program is under the direction of the administrative officers of the College; the Executive Council of the College; the Graduate Council; and the administrative officers of the Graduate Program.

The Graduate Council performs the following functions; it establishes all major policies for the administration of the program; it reviews all applications for admission, requests for special considerations, and recommendations of the major departments; it acts as the Executive Council for the college administration on all matters related to the graduate program.

The administrative officers of the Graduate Program are the Director of Graduate Studies and the Assistant Director of Graduate Studies. The chairman of each department is the administrative officer of the Graduate Program for the work of his department. The faculty advisers in the Graduate Program function directly under their respective department chairmen. Graduate students having problems in their major field should consult first with their advisers who, in turn, consult with the department chairman involved.

OBJECTIVES

The specific objectives of the graduate program at West Chester are to increase the competency of teachers and educational workers in the area of elementary education, secondary education, music education, and health and physical education; to provide incentive to continue professional growth; and to enable the graduate student to assume greater responsibilities in his specific field.

More specifically, the objectives are as follows:

I. Areas of Specialization:
   - A. To provide an opportunity for advanced study in a given area of field of specialization.
   - B. To acquaint the student with basic research techniques and their use during this first year of graduate study.
   - C. To enable the student to further his knowledge of allied and complementary fields.
   - D. To provide a further understanding of the teaching and learning process.
   - E. To enable the student to carry on studies in campus laboratory situations.

II. The Area of General Education:
   - A. To afford the student an opportunity to pursue his individual interests in subject fields other than his field of specialization.
   - B. To enable the student to strengthen and enrich his competency in broad cultural area.
   - C. To develop an understanding of local, national, and international affairs as they relate to the functions of the school.

Because the entire graduate program at this college has been constructed to serve in-service teachers desiring to improve their professional competency, persons who want advanced degrees for other reasons should not apply.

ADMISSION REQUIREMENTS

As can be seen below, all applicants for admission fall into six categories. Because of this fact, admission requirements naturally vary.

Regardless of category, the applicant for graduate work at West Chester should initiate his application procedure as early as possible by writing directly to the Assistant Director of Graduate Studies. He should then execute and return all

forms as early as possible. The student applying for admission with advanced standing should procure all transcripts as early as possible.

I. *Applicants for Credit Work*

An applicant for credit work is one who desires to take courses for credit toward certification or for some other valid reason.

To be admitted to credit work the applicant must meet the following requirements:

(1) The applicant must hold a bachelor's degree from a college or university accredited by national and regional accrediting associations.

(2) The applicant must have an undergraduate quality point average of at least 1.5, on the basis of A = 3.0, or he must be able to prove his academic competence in some other manner deemed appropriate by the Graduate Council. Generally, the Graduate Council will require applicants whose honor point average falls below 1.5 to make an acceptable grade in the Graduate Record Examination or some similar test.

(3) The applicant must evidence academic, personal, and professional qualities deemed acceptable for the administrators of the graduate program and the department concerned.

(4) The applicant must be able to demonstrate clearly that he will be a stronger professional person for having pursued graduate work. Therefore, only professionally minded persons should apply for admission. Students admitted to credit work may later make application for degree candidacy by satisfying the requirements for the degree work program. In no case, however, will such students receive more than fifteen semester credits for work taken before the time of admission to candidacy. Application to pursue credit studies is subject to final approval by the Graduate Council.

II. *Conditional Admission*

A conditional admission applicant is (1) one whose record shows deficiencies in the requirements listed for degree studies or (2) one who claims the ability to satisfy the requirements but is unable to submit supporting evidence (transcripts, records, etc.) at the time of registration.

Applicants whose records show deficiencies (courses lacking average below 1.5, etc.) may be admitted conditionally by action of the Graduate Council under the conditions stated in points #2 and #3 under "Applicants for Degree Studies."

Applicants whose records show deficiencies (courses lacking, average be admitted conditionally subject to final approval by the Graduate Council. In no case may such conditional admission be extended beyond one semester, and in no case may credit for course work be awarded until all supporting evidence has been evaluated by the faculty concerned.

III. *Applicants for Degree Studies*

An applicant for degree studies is one who desires to earn a master's degree at this institution.

To be admitted to degree studies, the applicant must meet the requirements listed below at the time of initial applicaiton. If the initial application is approved, the student will be granted provisional approval to work toward the degree. Final approval to work toward the degree will be granted when the student is admitted to candidacy. To be admitted to candidacy, the student must make formal application sometime between the completion of six and fifteen semester credits.

Admission to candidacy will be given by the major department concerned after it (1) has examined the student's course work and the writ-

ten statements of faculty members and/or (2) has required the student to pass a qualifying examination. Approval by the major department is subject to final approval by the Graduate Council.

Initial requirements for admission to degree work follow:

(1) The applicant must hold a bachelor's degree from a college or university accredited by national and regional accrediting associations or by the appropriate accrediting agency.

(2) The applicant's undergraduate program must approximate that of this institution. If the applicant has undergraduate deficiencies, he may be admitted conditionally by action of the Graduate Council, providing (a) the deficiencies do not total more than six semester hours: (b) the applicant must earn a grade of "B" or higher in the undergraduate courses which remove the deficiency: and (c) no graduate credit may be given for removing the deficiency.

(3) The applicant must have an undergraduate quality point average of at least 1.5, on the basis of A = 3.0, or he must be able to prove his academic competence in some other manner deemed appropriate by the Graduate Council. Generally, the Graduate Council will require applicants whose honor point averages fall below 1.5 to make an acceptable grade in the Graduate Record Examinations or some similar test.

(4) The applicant must evidence academic, personal and professional qualities deemed acceptable by the administrators of the graduate program and the department concerned.

(5) The applicant must be able to demonstrate clearly that he will be a stronger professional person for having pursued graduate work. Therefore, only professionally minded persons should apply for admission.

(6) The applicant must have had at least one year of full-time professional experience. In unusual cases, the Graduate Council may waive this requirement.

IV. *Applicants for Advanced Standing*

An applicant for advanced standing is one who wishes to transfer credits from another graduate school.

Such credits will be honored under the following conditions: (1) the credits must have been earned at an approved graduate school; (2) the maximum number may not exceed six; (3) the course grades must be at least "B"; (4) the courses involved must be essentially the same as graduate courses offered at this institution.

All requirements beyond the stipulated maximum of six semester credits must be satisfied at this institution.

V. *Special Students*

A special student is one whose case is different from any of these already listed. Instances of special students are: the student who is taking work for his own edification; the student who is undecided on his final goal; the student who is taking work to be transferred to another institution; the student who is taking courses for certification only.

Applications of special students are considered in terms of the individual case.

VI. *Auditors*

An auditor is one who, as the term implies, takes courses as a listener. He is not permitted to take any examinations. No credit of any type will be given for courses audited.

A student will be admitted as an auditor if the faculty of the graduate program are satisfied that his academic and professional background enable him to pursue profitably the work of the desired course.

CREDIT BY TRANSFER

Applicants for admission with advanced standing may transfer a maximum of six semester credits from other approved graduate schools.

Such credits will be honored under the following conditions:

1. The credits must fall within the stipulated six-year time limit noted under the heading of Residence Requirements.
2. The course grade must be at least B.
3. The courses involved must be essentially the same as those offered at this institution.

In no case will a transfer student be given credit towards satisfying any requirements other than course requirements. This statement means that students may not transfer credit for comprehensive examination, admission to degree candidacy, or any other type of examination credit.

COURSE REQUIREMENTS

In order to obtain the degree of Master of Education, the student must complete a minimum of 30 semester hours of credit in the areas listed below. The student, however, should not think of the master's degree in terms of semester credits. He should think, rather, in terms of meeting the standards as established by the Graduate Council and by his major department.

The requirements stated below are the broad general requirements established by the Graduate Council. In addition to these requirements, each department has individual requirements. The student, therefore, should first familiarize himself with the requirements listed below. Then he should turn to the specific section in this bulletin which treats the requirements established by his major department.

Under a ruling of the State Council of Education, the student is required to take 12 semester credits in general or liberal education. These groups — the humanities, social sciences, and natural sciences — should be incorporated into the program of the major department.

I. *Area of General and Liberal Education — 12 semester credits*

II. *Area of Specialization — 18 semester credits*

A. General Requirements

1. Methods and Materials of Research — 2 semester credits
2. Research and Supporting Electives

Option I:	Master's Thesis	3
	Electives	3
Option II:	Research Report	1
	Electives	5

The student exercises the right to choose one of the two options stated above at the completion of the course in Methods and Research which must be taken at the beginning of graduate work. Thus, the student's later selection of courses will be affected in part by his decision to write either a thesis or a research report.

RESEARCH REPORT AND THESIS

As stated in the official requirements above, every student has the option of doing a research report or a thesis. The research report carries one semester credit; the thesis carries three semester credits. The decision to do either a research report

or a thesis is subject to the approval of the adviser who will consider the question on the basis of the student's needs.

The research report must be aimed at developing the student professionally in his major field. While the thesis must have the same basic aim, it is much more extensive and hence more demanding of the student's time and abilities.

The Graduate Council has defined the research report and thesis as follows:

A *research report* is a written record of a scientific investigation to determine the facts of a condition; hence it is essentially a report on a problem. It demands of the researcher a knowledge of the techniques of research and scientific accuracy.

A *thesis* is the written account of an exhaustive research to support or refute a belief or a hypothesis. It differs from the research report in that it is longer, more comprehensive, and more generally demanding of the writer's knowledge, skills, and general powers of scholarship.

The student who plans to work eventually toward a degree should make his decision early regarding the research report or thesis. In no case should he defer the matter until a late moment in his course work because the work involved in the report or thesis will undoubtedly extend over two or more semesters.

In thinking of the research report or thesis, the student should take special note of the three statements listed below. These statements represent official policy of the Graduate Council regarding the research report or thesis.

1. The department concerned must approve the research report or thesis as a challenging, soundly executed professional task, worthy of master's level achievement.
2. A detailed outline of the research report or thesis must be approved by the Graduate Council before the student is authorized to begin his investigation.
3. The research report or thesis must be approved by the Department of English for language usage. The Department of English will serve as a reading committee only. In no case is the Department of English to be thought of as an editing committee.

REQUIRED SEMINARS

In addition to the requirements already stated, all students, regardless of curricula, are required to take the courses entitled "Seminar in the Humanities" and "Seminar in Educational Foundations." Because of the nature of these courses, students are urged to take them at their earliest convenience. In no case may any course be substituted for either of these courses.

Descriptions of the required seminars follow:

SEMINAR IN THE HUMANITIES

This is a composite course composed of three major fields of subject matter and taught by three instructors; (1) art and architecture, (2) music, (3) literature.

This material is closely correlated to show the relationship of the three fields to each other and to the central theme of a general philosophy connecting these fields to life. The instructors teaching this course develop specific material in concert to establish an over-all unity.

If possible, the student should consult with his adviser at least one semester in advance in order to obtain a partial reading list for this course.

SEMINAR IN EDUCATIONAL FOUNDATIONS

A seminar dealing with the history and development of education in America. The political and cultural development correlated with educational philosophy and thought, and the evolution of the unique American system of free public education as it has developed in a growing and changing democratic social order.

COURSE OFFERINGS OF DEPARTMENTS

EDUCATION

The Department of Education offers professional courses for students of all curricula. In this capacity, it will offer the electives listed below.

For students majoring in elementary education, however, the Department of Education has constructed the specific curriculum which follows the general electives.

All students majoring in elementary education should consider the Department of Education as their major department. All elementary education majors will be assigned to an adviser in the Department of Education.

Electives		*Semester Hours*
Ed. 580	History & Philosophy of Education	2
Ed. 502	Principles of Curriculum Development in the Secondary School	2
Ed. 504	Supervision and Administration of the Secondary School Curriculum	2
Ed. 562*	Organization and Administration of the Sec. School Guidance Program	2
Ed. 506	The Junior High School	2
Ed. 508	The Core Curriculum	2
Ed. 564*	Homeroom Guidance in the Jr. High School	2
Ed. 560*	Techniques in Guidance & Counselling	2
Ed. 566*	The Activity Program in the Secondary School	2
Ed. 565*	Supervising the Guidance Program	2
Ed. 550	Advanced Educational Psychology	2
Ed. 552	Personality and Mental Hygiene	2
Ed. 555	Introduction to Educational Statistics	2
Ed. 535	Organization and Administration of the Audio-Visual Program	2
Ed. 530	Selection and Effective Utilization of A-V Materials	2
Ed. 520	Comparative Education	2
Ed. 525	The Teacher and Administrative Leadership	2
Ed. 540	In-Service Education Seminar	2
Ed. 570	Psychology of Mentally Atypical Children	2
Ed. 571	Methods & Materials for Mentally Atypical Children (Elem.)	2
Ed. 572	Methods & Materials for Mentally Atypical Children (Sec.)	2
Ed. 575	Psychology of Physically Atypical Children	2
Ed. 576	Methods & Materials for Physically Atypical Children	2

* Courses so marked will serve to meet requirements for Certification in Guidance.

ELEMENTARY EDUCATION

The candidate for the master's degree with a major in elementary education must meet the general course requirements stated on page 7. In addition, he must meet specific requirements established by the Department of Education. All course requirements for the elementary education curriculum have been arranged in the outline form below. By following this outline, therefore, the student can satisfy general course requirements and Department of Education requirements.

	Semester Credits
AREA I — General and Liberal Education	12
Required	
Graduate Seminar in Humanities	2
Graduate Seminar in Educational Foundations	2
Methods and Materials of Research	2
General Electives	
Six semester hours to be chosen under advisement from non-professional courses	6
AREA II — Research and Supporting Electives	6
Option I Master's thesis	3
Electives	3
Option II Research report	1
Electives	5
AREA III — Specialization	6
Six semester hours are to be chosen from the following *(under advisement)*:	
Foundations of Reading	2
Curriculum and Research in Arithmetic	2
Teaching and Supervision of the Language Arts	2
Elementary Science Curriculum & Instruction	2
Social Studies Curriculum and Instruction	2
The Atypical Child	2
Teaching Music Through Song and Rhythm	2
Materials and Methods in the Elementary Physical Education Program	2
Art Activities at the Elementary School Level	2
Curriculum Problems In Elementary Education	2
The Kindergarten-Primary School Program	2
AREA IV — Specialization	6
Six semester hours are to be chosen from the following *(under advisement)*:	
Analysis, Diagnosis and Correction of Reading Difficulties	2
Elementary School Organization and Administration	2
Evaluation and Guidance In The Elementary School	2
Audio-Visual Materials in the Elementary Curriculum	2
Principle and Practice in Speech Improvement	2
Resource Material in Elementary Science	2
Health Instruction in the Elementary School	2
Supervision in The Improvement of Instruction	2
Advanced Educational Psychology	2
Psychology of the Exceptional Child	2
Creative Expression	2
Literature for the Elementary School	2

ENGLISH

The candidate for the master's degree with a major in English must meet the general requirements listed under Course Requirements on page 7.

As can be seen from examining these course requirements, the student must earn twelve semester credits in the area of general or liberal education and eighteen semester credits in the area of specialization.

Below are listed four groups of courses under the alphabetical headings, A, B, C, and D. The student must choose six courses from these four headings. In addition, he must be prepared to take any course deemed necessary by his adviser.

When choosing courses, the student must remember his responsibility to choose as electives the courses necessary to fulfill the general course requirements as stated on page 7.

Group A

511 English Literary Criticism (1800-1920)
512 American Literary Criticism (1800-1920)
513 English Literary Movements
514 American Literary Movements

Group B

521 English Literature to Chaucer
522 Chaucer
523 Eighteenth Century Novel
524 British and Continental Short Story

Group C

531 Shakespeare's Predecessors in Drama
532 Advanced Shakespeare
533 Nineteenth Century Drama

Group D

541 Greek and Roman Literature in Translation
542 French Literature in Translation
543 Advanced Problems in Public Speaking
544 Problems of Speech Correction

GEOGRAPHY

The candidate for the master's degree with a major in geography must meet the general course requirements stated on page 7. In addition, he must meet the requirements of the Department of Geography as stated below.

Required courses for geography majors

		Semester Credits
101	World Geography (Emphasizing climatic regions)	3
205	Physiography	3
203	Economic Geography	3
202	Geography of the U. S. and Canada	3
307	Geography of the U. S. S. R. (Including the satellite countries)	3

Electives (To be selected subject to approval)

Group I Earth Studies

206	Meteorology	3
302	Climatology	3
301	Geology	3
303	Cartography	3

Group II Economic Studies

201	Conservation of Natural Resources	3
308	Trade and Transportation (Including commercial air transportation)	3
209	The U. S. in its Global Relationships	3
309	World Problems	3
210	Geographic Influences in American History	3

Group III Regional Studies

204	Geography of Pennsylvania	3
208	Geography of Latin America	3
207	Geography of Europe	3
304	Geography of Asia	3
305	Geography of the Far East	3
306	Geography of Africa and Australia	3
310	Field Course (as approved)	3
102	Geography of U. S. and Pa.	3
311	Teaching of Geography in the Secondary School	3

MATHEMATICS

The candidate for the master's degree with a major in mathematics must meet the general course requirements stated on page 7. In addition, he must meet the requirements of the Department of Mathematics, as stated below.

To major in mathematics, a student must have completed a minimum of 24 semester credits of undergraduate mathematics, including 6 credits of Calculus, with a record deemed satisfactory by the Mathematics Department.

	Semester Credits
Area I: General, Liberal and Professional Education	12
Required	
Seminar in Educational Foundations	2
Seminar in the Humanities	2
Elective: To be taken under advisement	8
Area II: Specialization	
Required: (3-5)	
Methods and Materials of Research	2
Thesis or Research Project	1-3
Option I: Thesis 3	
Option II: Project 1	
Electives: (13-15)	
To be taken under advisement but must include courses in each of the four major areas of Algebra, Geometry, Analysis, and Statistics.	

Electives

		Semester Credits
502	A Survey of Modern Mathematics	2
511	Higher Algebra	2
512	Theory of Numbers	2
521	Educational Statistics	2
522	Introduction to Mathematical Probability	2
523	Mathematical Statistics	2
541	Advanced Calculus	3
543	Differential Equations	3
501	Fundamental Concepts of Mathematics	2
503	History of Mathematics	2

504	Mathematics of Finance	2
505	Applications of Mathematics	2
513	Modern Algebra	2
531	Advanced Analytic Geometry	2
532	Modern Geometry	2
545	Introduction to the Theory of Functions of a Real Variable	2
547	Introduction to the Theory of Functions of a Complex Variable	2
551	Curriculum and Research in Arithmetic	2
552	Seminar in Mathematics Education	2

SCIENCE

The candidate for the master's degree with a major in science must meet the general course requirements stated on page 7. He must then select a program of courses from the electives listed below. The progam is to be constructed by the student in consultation with his adviser.

Electives

500 Philosophy of Science
501 Historical Geology
511 Systematic Botany
512 Plant Physiology
521 Mineralogy for the Science Teacher
531 Acoustics for the Science Teacher
532 General Astronomy
533 Physics Demonstrations
541 Economic Entomology
542 Animal Ecology
543 Freshwater Biology
544 Vertebrate Dissection
561 Human Heredity
562 Physical Anthropology
571 Bacteriology
572 Histology and Cytology
573 Principles of Pathology
590 History of Science

SOCIAL STUDIES

The candidate for the master's degree with a major in social studies must meet the general course requirements stated on page 7. In addition, he must meet the requirements of the Department of Social Studies stated below.

The candidate must complete a minimum of two courses from each of the three groups listed below. The remaining credits necessary to fulfill the general course requirements may then be chosen subject to the approval of the faculty adviser.

Group A

510 United States History I
511 United States History II
512 United States History III
513 American Constitutional History

Group B

520 European History I
521 European History II

522 European History III
524 Contemporary World Affairs

Group C

530 Modern Political Though
531 Seminar in International Relations
532 Economic Analysis
533 Consumer Economics
534 Social Pathology
535 Historical Sociology

MUSIC EDUCATION

The candidate for the master's degree with a major in music education must meet the general course requirements stated on page 7. In addition, he must meet specific requirements established by the Department of Music Education. All course requirements for the music education curriculum have been arranged in the outline form below. By following this outline, therefore, the student can satisfy general course requirements and Department of Music Education requirements.

	Semester Credits
A. Area of General Education	6
Seminar in the Humanities	2
Seminar in Educational Foundations	2
Elective in subject matter course outside the area of specialization	2
B. Area of Research and Supporting Electives	6
Option I: Thesis	3
Electives	3
Option II: Research Report	1
Electives	5
C. Area of Specialization	
Section I — Music Education	6
a. *Required courses*	
Seminar in Methods and Techniques of Research and Experimentation	2
Current Trends in Music Education	2
b. *Required Elective Course*	
Administration of Public School Music	2
Music Education in the Secondary School	2
Music Education in the Elementary School	2
Pedagogy of Music Theory	2
Choral Techniques and Materials	2
Marching Band Techniques and Materials	2
Piano Pedagogy	2
String Pedagogy	2
Vocal Pedagogy	2
Section II — Applied Music	4
a. *Keyboard*	
Advanced Piano or Organ	1
Piano Ensemble and Master Class	1
b. *Vocal*	
Advanced Voice	1
Vocal Ensemble and/or Chorus	1
Advanced Choral Conducting	2

c. *Instrumental*

Advanced Instruments	1
Ensemble and/or Orchestra or Band	1
Advanced Instrumental Conducting	2
Advanced Class Instruction in Instruments	1

	Semester Credits
Section III — Structure and Organization of Music	4
Section IV — Literature and History of Music	4
Courses for Section III	
Advanced Counterpoint	2
Advanced Composition and Orchestration	2
Advanced Band Arranging	2
Courses for Section IV	
Contemporary Music	2
Vocal Literature	2
Instrumental Literature	2
Choral Literature	2
Piano Literature	2
String Literature	2
Woodwind Literature	2
Brass Literature	2
History of the Opera	2
Section V — Required Electives	4
a. Section II or III or IV	2
b. Free Elective (under advisement)	2

Electives Offered as Needed

Music Education Students	
Accompanying	2
Form in Music	2
Music in the Baroque Period	2
Seminar in Piano Teaching and Teaching Materials	2
Pedagogy of String Classes	2
Vocal Diction (two semesters)	4
Elementary Education Students	
Keyboard Activities for the Classroom Teacher	2
Teaching Music Through Song and Rhythm Materials	2
Teaching of Music Appreciation in the Elementary Grades	2
All Students	
Music Criticism and Aesthetics	2
Music in National and International Affairs	2
Study and Appreciation of the Symphony	2
Study and Appreciation of the Opera	2

HEALTH AND PHYSICAL EDUCATION

The candidate for the master's degree with a major in health and physical education must meet th egeneral course requirements stated on page 7. In addition, he must meet specific requirements established by the Department of Health and Physical Education. All course requirements for the health and physical education curriculum have been arranged in the outline form below. By following this outline, therefore, the student can satisfy general course requirements and Department of Health and Physical Education requirements.

Semester Credits

Area I — General, liberal, and professional education

Required

Seminar in Educational Foundations	2
Seminar in the Humanities	2

Electives

To be selected under advisement from the course listings of all departments	8

Area II — Specialization

Required

Methods and Materials of Research	2
Thesis or Research Report	1
Seminar in Health, Physical Education and Recreation	2

Electives

To be taken as a planned program from the elective list below. The student may have a planned program in one of the following fields: (1) history, principles, and philosophy; (2) organization, administration, and supervision; (3) programs, methods, and evaluation; (4) health, applied physiology, adaptives and correctives; (5) intramural and interscholastic athletics; dance, gymnastics, and aquatics; (6) safety education; and (7) recreation	11-13

Electives

(No more than 6 semester credits may be on the "400" level)

G 480	Introduction to Safety Education	3
G 481	Organization and Administration of Safety Education	2
G 500	Dance in Education	2
501	Advanced Rhythmical Foreign Gymnastics	2
G 502	Elementary Physical Education Workshop	3
G 503	Advanced Aquatics	2
G 510	School and Community Recreation	2
511	Field Problems in Recreation	3
G 512	Outdoor Education Workshop	3
G 520	Advanced Coaching	3
G 521	Administration and Supervision of Interschool and Intramural Athletics	2
530	Physiological and Psychological Bases of Motor Activity	2
G 531	Adaptive Physical Education Workshop	3
540	School Health Problems	2
G 541	School-Community Health Education Workshop	3
550	Foundations and Principles of Health, Physical Education, and Recreation	2
560	Contemporary Problems in Health, Physical Education, and Recreation	2
561	Measurement and Evaluation in Health, Physical Education, and Recreation	3
562	Administrative and Supervisory Practices in Health, Physical Education, and Recreation	2
570	Curriculum Development in Health and Physical Education	3
G 580	Methods and Materials of Safety Education	3

G 581	Psychology of Accident Prevention	3
G 582	Driver Training	3
590	Seminar in Health, Physical Education, and Recreation (Admission by approval of major professor and department head)	2

EXAMINATIONS

As noted in the requirements for admission, examinations vary according to the classification of the student: e.g., degree candidates must pass specific comprehensive examinations. Every graduate student must accept responsibility for knowledge of the examinations required of him. The beginning student can determine the examinations required of him by examining the information listed below and by conferring with his department head. In no case should the student assume that his adviser, major field professor, or graduate program official will notify him.

All students working for a degree are required to take three examinations; The Area of Specialization Examination, The Professional Background Examination, and the Admission to Graduate Standing Examination. In addition, however, some students will be required to take a general background examination and/or the Graduate Record Examination.

An explanation of the examinations and the conditions under which they will be required follow:

1. *General Background Examination* — Applicants for graduate who, in tre opinion of the department concerned, have inadequacies in their undergraduate programs, may be required to take an examination to demonstrate adequacies of general background information. The nature of this examination will be explained to the candidate by his major department.
2. *The Graduate Record Examination* — Students who, in the opinion of their major departments, have inadequacies in their major field may be required to take the Graduate Record examination or some similar test. Students planning to work eventually toward a degree should consult with their major departments concerning this requirement as early as possible.
3. *Professional Background Examination* — The Professional Background examination is constructed, administered and evaluated by the Department of Education. As the name implies, it is designed to evaluate the candidate's knowledge of the teaching profession. Although the Seminar in Educational Fundamentals will tell the student something of the nature of this examination, he should, nonetheless confer with his adviser concerning the most opportune time to take this examination.

   In no case should he defer the taking of this examination until a late date.
4. *Admission to Graduate Standing* — The examination for admission to graduate standing is constructed, administered and evaluated by the student's major department. This examination must be taken, as stated elsewhere, sometime between the acquisition of six and fifteen semester credits. This examination is designed to determine whether the student is to be permitted to work for a degree. The examinaiton is broad and comprehensive in nature, with the basic purpose of evaluating the student's knowledge and general competency in his major field.

   Because comprehensive examinations must naturally vary from one department to another, no precise statement concerning content can be

given. The student, therefore, should consult with his faculty adviser or department head concerning all details of this examination.

The student planning to work for a degree should confer with his adviser or department head concerning this examination at his earliest convenience.

5. *The Area of Specialization Examination* — Sometime after the acquisition of twenty semester credits, the student may take the Area of Specialization examination which is required of all candidates for the degree.

   The Area of Specialization examination is a comprehensive examination over the student's major field. The examination is constructed, administered, and evaluated by the student's major department. All details of the Area of Specialization examination are the province of the major department concerned. Degree candidates are urged to confer with their advisers concerning this examination at the earliest possible date.

ADVISORY SYSTEM

The applicant for admission to the graduate program should think of the chairman of his department as his major adviser until such time as an adviser is assigned him.

As soon as the applicant has declared his plans to the chairman of his major department, he will be assigned as the advisee of a professor in his major field.

The student should think of his adviser as a counselor and as a graduate program official. The adviser must approve the student's course selections; he must guide the student in making decisions regarding examinations; and he must check the student's work against graduate program requirements. Although the adviser will help the student in every way possible, the student, nonetheless, must remember that the responsibility of completing graduate work is primarily his.

LIBRARY

Graduate students are entitled to the use of library facilities under the conditions prevailing in the undergraduate program. The student, therefore, should familiarize himself with library regulations at the earliest possible date.

Because many graduate students are on campus for only one day each week, some special privileges are granted in the borrowing of books. The graduate student, however, must realize his obligation to conform with all library regulations.

HOUSING FACILITIES

Because this college does not plan to have any full time graduate students during the fall and spring semesters, no provisions for housing for graduate students will be made for those semesters. Graduate students attending the summer session may obtain housing in the college dormitories at the usual fees charged of undergraduates.

Graduate students living on campus during the summer sessions are subject to all officially stated regulations concerning housing and related matters.

CULTURAL OPPORTUNITIES

The graduate student should avail himself of the cultural opportunities on campus and in the immediate vicinity. The college sponsors All Star Programs, lectures, entertainments, and other significant cultural activities. The immediate vicinity is rich in historical significance and other cultural advantages. Also, the student will find easy access to Philadelphia and its many museums, libraries, and similar facilities.

EXPENSES

The charge for tuition in the Graduate Program is $20 per semester hour of credit.

Because the Graduate Program will not be a full time curriculum during the fall and spring semesters, there will be no resident students. Graduate students desiring housing facilities at the College during the summer sessions may procure such facilities at the regular rates listed in the official catalogue.

Graduate students are also required to pay any fees (activity fee, library fines, etc.) required of other summer school students.

All fees are subject to change without notice.

GRADING SYSTEM

The grading system employed in the graduate program is the same as that of the undergraduate program.

A — excellent — 93 - 100
B — superior — 85 - 92
C — average — 77 - 84
D — passing — 70 - 75
F — failure — 69 or lower
I — incomplete

The following restrictions are enforced in the grading system: (1) the student must maintain a general average of at least 1.5; (2) grades lower than "C" are not acceptable in satisfying degree requirements; (3) courses which, for some valid reason (unavoidable absence during final examination, etc.), are not completed by the end of a given semester, must be completed before the close of the succeeding semester unless the Graduate Council may grant an individual exception to this requirement.

RESIDENCE REQUIREMENTS

All course requirements must be satisfied in residence.

This college will not offer any off-campus courses nor will it accept in transfer credits earned in off-campus or extension centers of other colleges or universities.

In no case will the Graduate Council or any graduate program official make exception to this requirement.

TIME LIMIT

All requirements for the graduate degree, i.e. Master of Education, must have been satisfied within a period of six years before the actual date of receiving the degree. In unusual cases, e. g. prolonged illness, the Graduate Council may make minor exceptions. In no instance, however, should the student assume that such exceptions will be made routinely.

The existence of the six-year time limit makes imperative the settling of all details regarding the research report or thesis and similar matters at the earliest possible date.

REPORTS

Official reports are issued immediately after the termination of each semester for work taken during that semester. The student should consider these reports as an official record of his standing in the graduate program. Students should check

these reports against grade requirements and other regulations pertinent to their particular case. When consulting with faculty advisers, students should have these reports at hand in order to facilitate questions which the adviser may have.

ABSENCES

Applicants for graduate courses should realize at the outset the importance of attending all classes. However, because the Graduate Council realizes that emergencies may arise, a policy on absences has been constructed.

For courses meeting once a week, the student is permitted a maximum of two absences during the semester. In no case should these absences be thought of as "cuts". They should be considered, rather, as allowances for emergency conditions.

No absences are permitted during the summer session.

The student is held fully responsible for all work required for courses taken. Absences from classes, therefore, do not constitute a valid reason for exemption from course responsibilities. Students absent from examinations for valid reasons should contact the professor concerned as early as possible in order to make up the examination.

CLASS HOURS

All classes for the graduate program will be scheduled during the late afternoon, evening, Saturdays, and summer sessions. At the outset of the graduate program, courses will be given on Saturdays and during the summer sessions. As enrollment warrants, the number of classes given during the regular academic year will be increased accordingly. Most graduate courses, however, will be given primarily during the summer sessions.

OFFERINGS FOR THE COLLEGE YEAR 1959-60

The courses listed below are scheduled for the year 1959-60. The offering of any course is subject to enrollment conditions.

Before deciding upon course selections the student should confer with the representative of his major department present at the time of registration.

Required Courses — All Curricula

Materials and Methods of Research — To be offered fall, spring, and summer.

Seminar in Educational Foundations — To be offered fall, spring, and summer.

Seminar in the Humanities — Summer, 1960.

MUSIC DEPARTMENT

	Semester Credits
Fall 1959	
Applied Music	
Advanced Piano or Organ	1
Advanced Voice	1
Advanced Instruments	1
Spring 1960	
Current Trends in Music Education	2
Applied Music	
Advanced Piano or Organ	1
Advanced Voice	1
Advanced Instruments	1

Summer Sessions 1960

Applied Music
- Advanced Piano or Organ ---- 1
- Advanced Voice ---- 1
- Advanced Instruments ---- 1

Choral Workshop
- Choral Techniques and Materials ---- 2
- Vocal Pedagogy ---- 2
- Advanced Choral Conducting ---- 2
- Vocal Ensemble and/or Chorus ----ea. 1

Instrumental Workshop
- Marching Band Techniques and Materials ---- 2
- String Pedagogy ---- 2
- Advanced Instrumental Conducting ---- 2
- Ensemble and/or Orchestra or Band ----ea. 1

Advanced Class Instruction in Instruments ---- 1

Applied Music
- Advanced Piano or Organ ---- 1
- Advanced Voice ---- 1
- Advanced Instruments ---- 1

Elective
- Study and Appreciation of the Symphony ---- 2

Current Trends in Music Education ---- 2

SCIENCE DEPARTMENT

Fall 1959
- General Astronomy
- Bacteriology

Spring 1960
- Mineralogy for the Science Teacher
- Economic Entomology

Summer 1960
- Acoustics for the Science Teacher
- Animal Ecology
- Plant Physiology
- Human Heredity

GEOGRAPHY DEPARTMENT

Fall 1959
- Biogeography
- Geography of the United States in its World Relations

Spring 1960
- Geography in World History
- Advanced Geography of the Union of Soviet Socialist Republics

Summer 1960
- Regional Physiography of the United States
- Modern Concepts in Global Geography
- Advanced Conservation of Natural Resources

SOCIAL STUDIES DEPARTMENT

Fall 1959
- Early American History
- Consumer Economics

Spring 1960
- Growth of the American Nation
- Early European History

Summer 1960

Contemporary World Affairs
18th and 19th Century Europe
Economic Analysis
Seminar in International Relations

MATHEMATICS DEPARTMENT

Fall 1959

Modern Mathematics
Higher Algebra

Spring 1960

Mathematical Statistics
Theory of Numbers

Summer 1960

Differential Equations
A Survey of Modern Mathematics
Educational Statistics
Advanced Calculus

ENGLISH DEPARTMENT

Fall 1959

English Literary Movements
American Literary Movements

Spring 1960

English Literature to Chaucer
British and Continental Short Story

Summer 1960

English Literary Criticism
American Literary Criticism
Shakespeare's Predecessors in Drama
Eighteenth Century Novel

HEALTH AND PHYSICAL EDUCATION DEPARTMENT

Fall 1959

Foundations and Principles of Physical Education
Measurement and Evaluation of Health and Physical Education Recreation
Advanced Coaching

Spring 1960

Curriculum Development in Health Education
Methods and Materials in Safety Education
Advanced Aquatics

Summer 1960

Practicum in Health and Physical Education
Foundations and Principles of Physical Education
Measurement and Evaluation of Health and Physical Education Recreation
Curriculum Development in Physical Education
Administrative and Supervisory Practices in Health and Physical Education Recreation
Elementary Physical Education Workshop
Advanced Coaching
Adaptive Physical Education
School and Community Physical Education Workshop
Driver Education
Methods and Materials in Safety Education
O. and A. of Safety Education
Psychology of Accident Prevention

Summer 1960

Outdoor Education Workshop
Field Problems in Recreation
Advanced Aquatics
Advanced Equitation

EDUCATION DEPARTMENT

Spring 1960

	Semester Credits
Guidance in the Elementary School	2

Summer 1960

Contemporary Practices and Programs in Reading	2
Curriculum and Research in Language Arts	2
Measurement and Evaluation in the Elementary School	2
Audio-Visual Materials in the Elementary School Curriculum	2
Current Problems in Elementary School Education	2
Psychology of Mentally Atypical Children	2